Supplier of fiber optic speed sensors



Overview

This buyer''s guide for fiber-optic sensors provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Key Takeaways

OPTEL-TEXYS, OMRON, FISO, and Sensuron are among the leading manufacturers offering fiber optic speed sensors and related solutions. Key Manufacturers and OfferingsOPTEL-TEXYS specializes in non-invasive optical sensors, including fiber optic speed sensors for rotating machines and turbines. Their sensors detect contrasting periodic elements using near-infrared light and are widely used in automotive, aerospace, naval, railway, nuclear, renewable energy, agriculture, and heavy industry applications.

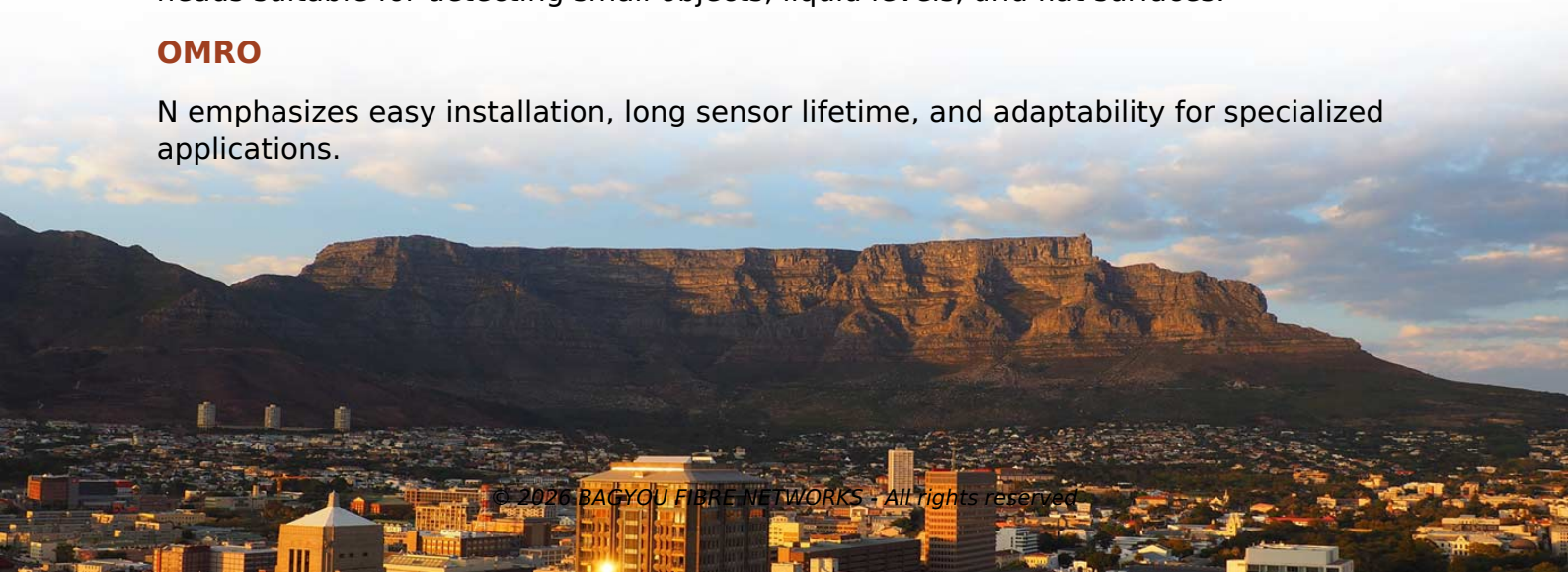
They offer versatile, customizable probes and accessories such as zebra tapes and splitter boxes for enhanced detection and integration with measurement systems.

OMRO

N manufactures a broad range of fiber optic sensors with high precision and operational reliability. Their products include cylindrical, square, and miniature fiber heads suitable for detecting small objects, liquid levels, and flat surfaces.

OMRO

N emphasizes easy installation, long sensor lifetime, and adaptability for specialized applications.



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FIS

O develops fiber optic sensors and signal conditioners for medical, energy, process control, and R&D applications. They provide expert guidance to select the right sensors for specific projects, with a focus on high-performance and reliable fiber-optic solutions. Sensuron offers optical fiber sensors capable of real-time, spatially continuous measurements.

Their systems can monitor strain, temperature, deflection, and 2D shape across multiple points along a fiber. Sensuron provides high-speed interrogators and multi-sensing platforms suitable for structural monitoring and advanced engineering applications.

Additional Suppliers

A comprehensive photonics buyers' guide lists over 70 manufacturers and suppliers of fiber optic sensors, including Baumer Ltd., Highland Technology, AFL, FBGS International, Fiber SenSys, and Leuze electronic, among others. These companies provide a variety of fiber optic components, assemblies, and sensors for industrial, scientific, and R&D applications.

Considerations for Selection

When choosing a fiber optic speed sensor, consider: Measurement environment: temperature, presence of liquids, confined spaces, and rotating element size. Technical specifications: bandwidth, response time, output signals, and connectivity. Integration and accessories: availability of probes, splitter boxes, and mounting solutions.

Customization: ability to adapt sensors for specific industrial or research applications. These manufacturers provide global support and a range of products suitable for both test bench and embedded measurement systems.

Article Content

Fiber-optic Sensors – Buyer''s Guide & Supplier List

This buyer''s guide for fiber-optic sensors provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Fiber Optic Sensors | Suppliers

Explore 72 top manufacturers and suppliers of Fiber Optic Sensors in our comprehensive photonics buyers'' guide. A fiber optic sensor is a device that uses optical fibers to detect and measure physical,

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Located in Canada''s capital city of Ottawa and established in 1985, OZ Optics Limited is a leading worldwide supplier of fiber optic products for existing and next-generation optical networks. In

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Fiber Optic Gyroscope High-Precision Angular Speed Sensor Gyro

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Optel Texys

For 60 years, OPTEL-TEXYS has been the specialist of optical fibre speed sensors. The company enjoys worldwide recognition for its high-speed and accurate sensors in the market sectors of the

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